



Carbon Reduction Plan

International Scientific Supplies Ltd

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Commitment to achieving Net Zero

International Scientific Supplies Ltd is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2020

Additional Details relating to the Baseline Emissions calculations.

As a result of our heavy involvement in the testing program we have needed to expand and relocate our manufacturing facilities to new premises, with our office and warehouse remaining at the current site. This has taken almost 6 months to complete whilst still maintaining production to fulfil all our current commitments to the testing program, NHS Supply chain, our many NHS customers as well as private healthcare providers and numerous other sectors throughout the UK. This has been an intensive time for us as a business and whilst the move has provided many opportunities to reevaluate our carbon emissions data and update our procedures the move was only completed in recent weeks.



Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	15,489 kgCO ₂ e
Scope 2	251,791 kgCO ₂ e
Scope 3 (Included Sources)	129805 kgCO ₂ e. (Purchased goods and services, Business Travel, Employee commuting, Waste disposal, Transportation & Distribution in & out. Because of the varied applications of our products both individually & collectively we are still working on a calculation for “use of sold products”
Total Emissions	397,805 kgCO₂e

Current Emissions Reporting

Reporting Year: 2021 n/a	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	N/a
Scope 2	N/a
Scope 3 (Included Sources)	N/a
Total Emissions	N/a



Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next five years to 918,000 kgCO₂e by 2026. This is a reduction of 15%

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2020 baseline. The carbon emission reduction achieved by these schemes equate to 84,240 kgCO₂e, a 7.8 %ge reduction against the 2020 baseline and the measures will be in effect when performing the contract

- 1) ISS is an injection moulding operation and over the past 7 years we have replaced most of our moulding machines with hybrid, servo powered high efficiency moulding equipment.
- 2) A "Free Cool" water cooling system for cooling injection mouldings and injection moulding machines has been installed thus reducing, by more than 60 %, the amount of energy needed to cool our equipment. This also eliminates the need for any refrigeration.
- 3) Recently we have installed some traditional cooling equipment internally such that we can use heat generated in our cooling processes to heat our factory thus eliminating the need for additional, conventional space heating systems.
- 4) LED lighting has been fitted throughout the business – Offices, Production & Manufacturing area, and all Warehouse space.
- 5) Air Mass heating systems were installed initially in our Clean Room areas and now throughout all our premises over two sites.

ISS is currently pursuing options for renewable energy installations and is actively looking into the installation of solar and wind power energy provision.



Over the course of the last 18 months, we have consolidated our manufacturing into one site and our warehousing from 4 sites to 2 thus reducing energy consumed in travelling and moving product over multiple sites. Our new manufacturing site was built with energy reducing considerations from the outset. We have installed high efficiency compressed air generators with servo drives. The net consequence since 2020 baseline already stands at 7.8% reduction so far this year. Currently 25% (by turnover) of the products we sell are manufactured by third parties. A significant percentage of these are overseas. It is our objective to bring as much of this manufacturing in house, in the UK, as possible as this will lesson our carbon footprint

Signed on behalf of the Supplier:

Andrew Littlewood

Managing Director

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